

IN THE CLAIMS

Claim 1 (Original): An image processing method comprising:
discriminating between a still picture area and a motion picture area in an input image;
enhancing edges with a quantity of edge enhancement larger in the motion picture area than in the still picture area; and
outputting the input image having the enhanced edges.

Claim 2 (Original): The image processing method as claimed in claim 1, wherein the motion picture area is specified on the basis of an edge-moving area in the input image.

Claim 3 (Original): The image processing method as claimed in claim 1, wherein the discriminating step is performed by using a motion vector in the input image.

Claim 4 (Currently Amended): The image processing method as claimed in claim 3, wherein the input image is encoded into any one of MPEG-1, 2 and 4; and the motion vector is obtained by decoding the input image. [[.]]

Claim 5 (Original): The image processing method as claimed in claim 3, wherein the motion vector is obtained by performing a block matching between the input image and the input image delayed for one frame period as to at least a portion of the input image.

Claim 6 (Original): The image processing method as claimed in claim 1, further comprising: judging whether the input image is imaged or not imaged;

wherein the quantity of edge enhancement for the input image that is judged as an imaged input image is set larger than the quantity of edge enhancement for the input image that is not judged as an imaged input image.

Claim 7 (Original): An image processing method comprising:
dividing an input image into a plurality of areas;
obtaining a motion velocity in each of the plurality of areas;
setting a quantity of edge enhancement larger in a portion of the plurality of areas having a larger absolute value of the motion velocity;
enhancing edges in the plurality of areas with the set quantity of edge enhancement;
and
outputting the input image having the enhanced edges.

Claim 8 (Original): The image processing method as claimed in claim 7, further comprising:
judging whether the input image is imaged or not imaged;
wherein the quantity of edge enhancement for the input image that is judged as an imaged input image is set larger than the quantity of edge enhancement for the input image that is not judged as an imaged input image.

Claim 9 (Original): An image processing method comprising:
dividing an input image into a plurality of areas;
obtaining a motion velocity in each of the plurality of areas;
setting a quantity of edge enhancement in a portion of the plurality of areas having a larger absolute value of the motion velocity;

calculating an absolute difference value of gradation for each of the pixels between an input image and an input image delayed for one frame period;

enhancing edges in the plurality of areas with the set quantity of edge enhancement;
and

outputting the input image having the enhanced edges;

wherein the steps of setting and enhancing are performed as to a pixel where the absolute difference value of gradation is larger than a predetermined value.

Claim 10 (Original): The image processing method as claimed in claim 9, further comprising:

judging whether the input image is imaged or not imaged;

wherein the quantity of edge enhancement for the input image which is judged as an imaged input image is set larger than the quantity of edge enhancement for the input image which is not judged as an imaged input image. .

Claim 11 (Original): A video displaying method comprising:

discriminating between a still picture area and a motion picture area in an input picture;

enhancing edges with a quantity of edge enhancement larger in the motion picture area than in the still picture area; and

displaying an output picture having the enhanced edges.

Claim 12 (Original): The video displaying method as claimed in claim 11, wherein the discriminating step includes:

detecting edge information from the input picture;

comparing the edge information with an edge information of the input picture
delayed for one frame period to detect an edge-moving area; and
specifying the motion picture area on the basis of the edge-moving area.

Claim 13 (Original): The video displaying method as claimed in claim 11, wherein
the discriminating step includes:

dividing the input picture into a plurality of areas; and
obtaining a motion velocity in each of the plurality of areas.

Claim14 (Original): The video displaying method as claimed in claim 13, wherein the
motion velocity is obtained on the basis of motion vector information of the input picture.

Claim15 (Original): An image processing apparatus, comprising:
a motion picture area discrimination unit configured to discriminate between a still
picture area and a motion picture area in an input image; and
an edge enhancement processing unit configured to make a quantity of edge
enhancement larger in the motion picture area than in the still picture area.

Claim 16 (Original): An image processing apparatus comprising:
a motion picture area velocity discrimination unit configured to obtain a motion
velocity in each of areas of an input image; and
an edge enhancement processing unit configured to enhance edges in the areas with a
quantity of edge enhancement, the quantity of edge enhancement set larger in a portion of the
areas having a larger absolute value of the motion velocity.

Claim 17 (Original): The image processing apparatus as claimed in claim 16, wherein the edge enhancement processing unit sets the quantity of edge enhancement constant when an absolute value of the motion velocity is larger or less than a predetermined value.

Claim 18. (Original): A video displaying apparatus comprising:
a motion vector obtaining unit configured to obtain motion vector information in an input picture;
an edge enhancement processing unit configured to enhance edges in the input picture with a quantity of edge enhancement, the quantity of edge enhancement set larger in an area having a larger absolute value of a motion velocity, the motion velocity obtained from the motion vector information; and
a display unit that displays the input picture having the enhanced edges.

Claim 19 (Original) The video displaying apparatus as claimed in claim 18, wherein the edge enhancement processing unit sets the quantity of edge enhancement according to a characteristic of the display unit.